

FORM PTO-1449 (Modified)  
U.S. Department of Commerce, Patent and Trademark Office

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

Docket No.

00-654

Serial No.

Applicants

Wilbur G. Catabay et al.

Filing Date  
Herewith

Group  
Unknown

U.S. PTO  
09/884736



U.S. Patent Documents

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
CAK	AA	5,874,367	2/23/99	Dobson	438	787	
LAK	AB	6,028,015	2/22/00	Wang et al.	438	789	3/29/99
LAK	AC	6,114,259	9/5/00	Sukharev et al.	438	789	7/27/99
LAK	AD	6,147,012	11/14/00	Sukharev et al.	438	787	11/12/99
CAK	AE	6,204,192	3/20/01	Zhao et al.	438	723	3/29/99
LAK	AF	6,232,658	5/15/01	Catabay et al.	257	701	6/30/99
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents

							Translation	
		Document Number	Date	Country	Class	Subclass	Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

LAK	AR	Bothra, S., et al., "Integration of 0.25 $\mu$ m Three and Five Level Interconnect System for High Performance ASIC", <u>1997 Proceedings Fourteenth International VMIC Conference</u> , Santa Clara, CA, June 10-12, 1997, pp. 43-48.
LAK	AS	Dobson, C.D., et al., "Advanced SiO <sub>2</sub> Planarization Using Silane and H <sub>2</sub> O <sub>2</sub> ", <u>Semiconductor International</u> , December 1994, pp. 85-88.
LAK	AT	McClatchie, S., et al., "Low Dielectric Constant Oxide Films Deposited Using CVD Techniques", <u>1998 Proceedings Fourth International DUMIC Conference</u> , February 16-17, 1998, pp. 311-318.

Examiner

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	BA						
	BB						
	BC						
	BD						
	BE						
	BF						
	BG						
	BH						
	BI						
	BJ						
	BK						

Foreign Patent Documents

							Translation	
		Document Number	Date	Country	Class	Subclass	Yes	No
	BL							
	BM							
	BN							
	BO							
	BP							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

LAKE	BR	Peters, Laura, "Low-k Dielectrics: Will Spin-On or CVD Prevail?", <u>Semiconductor International</u> , Vol. 23, No. 6, June, 2000, pp. 108-110, 114, 116, 118, 122, and 124.
LAKE	BS	Peters, Laura, "Pursuing the Perfect Low-k Dielectric", <u>Semiconductor International</u> , Vol. 21, No. 10, September, 1998, pp. 64-66, 68, 70, 72, and 74.
	BT	

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LAK	AA	5,904,154	5/18/99	Chien et al.	134	1.2	7/24/97
LAK	AB	5,882,489	3/16/99	Bersin et al.	204	192.35	4/26/96
LAK	AC	5,858,879	1/12/99	Chao et al.	438	725	6/6/97
LAK	AD	3,012,861	12/12/61	Ling	23	223.5	1/15/60
LAK	AE	3,178,392	4/13/65	Kriner	260	46.5	4/9/62
LAK	AF	3,832,202	8/27/74	Ritchie	106	287	8/8/72
LAK	AG	3,920,865	11/18/75	Läuffer et al.	427	220	4/6/72
LAK	AH	4,705,725	11/10/87	Glaich et al.	428	405	11/28/86
LAK	AI	5,194,333	3/16/93	Ohnaka et al.	428	405	12/18/90
LAK	AJ	5,874,745	2/23/99	Kuo	257	59	8/5/97
	AK						

Foreign Patent Documents

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	AL							
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	AO							
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	AR	
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LAK

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LA	BA	6,066,574	5/23/00	You et al.	438	781	11/6/98
LA	BB	6,051,477	4/18/00	Nam	438	404	10/22/96
LA	BC	6,025,263	2/15/00	Tsai et al.	438	624	9/11/97
LA	BD	5,939,763	8/17/99	Hao et al.	257	411	9/5/96
LA	BE	5,864,172	1/26/99	Kapoor et al.	257	634	8/13/96
LA	BF	5,688,724	11/18/97	Yoon et al.	437	235	12/23/94
LA	BG	5,470,801	11/28/95	Kapoor et al.	437	238	6/28/93
LA	BH	5,364,800	11/15/94	Joyner	437	28	6/24/93
LA	BI	4,771,328	9/13/88	Malaviya et al.	357	49	11/24/86
LA	BJ	3,652,331	3/28/72	Yamazaki	117	201	3/13/69
	BK						

Foreign Patent Documents

							Translation	
		Document Number	Date	Country	Class	Subclass	Yes	No
	BL							
	BM							
	BN							
	BO							
	BP							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

LA	BR	Koda, Seiichiro, et al., "A Study of Inhibition Effects for Silane Combustion by Additive Gases", <u>Combustion and Flame</u> , Vol. 73, No. 2, August, 1988, pp. 187-194.
	BS	
	BT	

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## U.S. Patent Documents

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
LAK	CA	5,628,871	5/13/97	Shinagawa	438	514	6/24/94
LAK	CB	6,153,524	11/28/00	Henley et al.	438	691	7/28/98
LAK	CC	6,051,073	4/18/00	Chu et al.	118	723	6/3/98
LAK	CD	5,580,429	12/3/96	Chan et al.	204	192.38	6/7/95
LAK	CE	5,558,718	9/24/96	Leung	118	723E	4/8/94
LAK	CF	6,037,248	3/14/00	Ahn	438	619	6/13/97
LAK	CG	5,675,187	10/7/97	Numata et al.	257	758	5/16/96
LAK	CH	5,559,367	9/24/96	Cohen et al.	257	77	7/12/94
LAK	CI	5,376,595	12/27/94	Zupancic et al.	501	12	8/28/92
	CJ						
	CK						

## Foreign Patent Documents

							Translation	
		Document Number	Date	Country	Class	Subclass	Yes	No
LAK	CL	2000-267128	9/29/00	Japan	G02F	1/136	X-Abstract Only	
	CM							
	CN							
	CO							
	CP							

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	CR	
	CS	
	CT	

Examiner

Date Considered

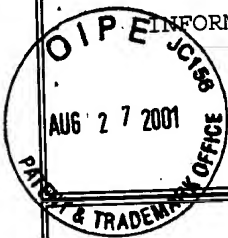
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FORM PTO-1449 (Modified)  
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Docket No. 00-654	Serial No. 09/884,736
Applicant Wilbur G. Catabay et al.	
Filing Date June 19, 2001	Group Unknown

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)



U.S. Patent Documents

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
UAC	AA	5,314,845	5/24/94	Lee et al.	437	238	2/2/90
UAC	AB	5,915,203	6/22/99	Sengupta et al.	438	669	6/10/97
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents

Translation

		Document Number	Date	Country	Class	Subclass	Yes	No
UAC	AL	DE 198 04 375 A1	7/1/99	Germany	H 01 L	21/312		X
UAC	AM	EP 0 706 216 A2	4/10/96	Europe	H 01 L	23/532	N/A	
UAC	AN	EP 0 949 663 A2	10/13/99	Europe	H 01 L	21/312	N/A	
UAC	AO	63003437	1/8/88	Japan	H 01 L	21/90	X-Abstract Only	
UAC	AP	WO 99/41423	8/19/99	PCT	C 23 C		N/A	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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AS	
AT	

Examiner *[Signature]* Date Considered 7/18/02

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09/884,736

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Applicant

Wilbur G. Catabay et al.

Filing Date

June 19, 2001

Group

Unknown

## U.S. Patent Documents

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
WAE	AA	6,043,167	3/28/2000	Lee et al.	438	789	10/10/97
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

## Foreign Patent Documents

## Translation

		Document Number	Date	Country	Class	Subclass	Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

WAE	AR	Sugahara, Satoshi, et al., "Chemical Vapor Deposition of CF <sub>3</sub> -Incorporated Silica Films for Interlayer Dielectric Application", 1999 Joint International Meeting, <u>Electrochemical Society Meeting Abstracts</u> , Vol. 99-2, 1999, Abstract No. 746.
	AS	
	AT	

Examiner

Date Considered

7/10/02

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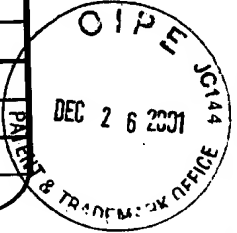
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

### Complete if Known

Application Number	09/884,736
Filing Date	June-19, 2001
First Named Inventor	Wilbur Catabay
Group Art Unit	
Examiner Name	
Attorney Docket No.	/ 00-654

Sheet 1 of 1



### U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code (if known)			
LAC		5,989,998		Sugahara et al.	11-23-1999	
LAC		6,054,379		Yau; Wai-Fan (Mountain Vie	04-25-2000	
LAC		6,215,087		Akahori et al.	04-10-2001	
LAC		5,930,655		Cooney, III; Edward C. (Jeric	07-27-1999	
LAC		6,043,145		Suzuki et al.	03-28-2000	
LAC		6,063,702		Chung	05-16-2000	

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Date  
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7/18/02

Burden Hour Statement: This form is estimated to take 2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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